

IAP6 Rec'd PCT/PTO 03 JAN 2006

1.

## SEQUENCE LISTING.

<110> THE ROYAL VETERINARY COLLEGE  
 <120> VACCINE COMPOSITION

<130> RVCV/P30948PC

<140> PCT/GB2004/002865

<141> 2004-07-01

<150> GB 0315323.6

<151> 2003-07-01

<160> 10

<170> SeqWin99

<210> 1

<211> 218

<212> DNA

<213> Unknown

<220>

<223> Partial 23S rRNA gene sequence from Chlamydophila isolated from dog with canine infectious respiratory disease (CIRD)

<400> 1

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agtgggtctcc ccagattcag actagggttc acgtgcctag ccctactcag gtatcgaata 60
gagtctcttg ttttttcgtc tacgggacta tcaccctgta tcgttctact ttccagaagt 120
attcgactaa aacttaagat cccatgttat cgaccctaca accccacatt aaaaatgtgg 180
tttgggtcttc tcccccttcg ctgcgccgcta cacagggga

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<210> 2

<211> 221

<212> DNA

<213> Unknown

<220>

<223> Partial 23S rRNA gene sequence from Chlamydophila isolated from dog with CIRD

<400> 2

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gacagtggtc tccccagatt cavactaggt ttcacgtgtc tagccctact caggatcga 60
atagagtctc ttgtttttwc gtctacggga ctatcaccct gtatcgttct actttccaga 120
agtattcgac taaaacttaa gatcccatgt tatcgaccct acaacccac attaaaaatg 180
tggtttggtc ttctccctt tcgtcgcgg ctacacaggg a 221

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<210> 3

<211> 224

<212> DNA

<213> Unknown

<220>

<223> Partial 23S rRNA gene sequence from Chlamydophila isolated from dog with CIRD

<400> 3

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tgagagtggg ctccccagat tcagactagg ttccacgtgt ctagccctac tcaggtatcg      60
aatagagtct ctgtttttt cgtctacggg actaacaccc tgtatcggtc tactttccag      120
aagtattcga ctaaaactta agatcccatg ttatcgaccc tacaacccca cattaaaaat      180
gtggtttggg cttctcccct ttctcgctcgk ccgytatcac aggg                          224

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<210> 4  
 <211> 221  
 <212> DNA  
 <213> Unknown

<220>  
 <223> Partial 23S rRNA gene sequence from Chlamydomonas isolated from dog with CIRD

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<400> 4
gadagtggg tccccagatt cadactagg ttccacgtgt tagccctact caggtatcga      60
atagagtctc ttgttttttc gtctacggga ctatcaccc gtatcggttc actttccaga      120
agtattcgac taawwcttaa gatcccatgt tategaccct acaacccccc attwwwatg      180
tgggtttggg ttctcccctt tygetcgccg ctacacaggg a                          221

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<210> 5  
 <211> 217  
 <212> DNA  
 <213> Unknown

<220>  
 <223> -- Partial 23S rRNA gene sequence from Chlamydomonas isolated from dog with CIRD

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<400> 5
tgagagtggg ctccccagat tcagactagg ttccacgtgt ctagccctac tcaggtatcg      60
aatagagtct cttgtttttt cgtctacggg actatcaccc tgtatcggtc tactttccca      120
gaagtattcg actaaaahct taagatcccc atgttatcga ccctacaacc cccacatdaa      180
aaatgtgggt tgggtttctc ccctttcgct cgccgct                          217

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<210> 6  
 <211> 221  
 <212> DNA  
 <213> Unknown

<220>  
 <223> Partial 23S rRNA gene sequence from Chlamydomonas isolated from dog with CIRD

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<400> 6
gabagtggg tccccagatt cagactagg ttccacgtgt tagccctact caggtatcga      60
atagagtctc ttgttttttc gtctacggga ctatcaccc gtatcggttc actttccaga      120
agtattcgac taaaacttaa gatcccatgt tategaccct acaacccccc attaaaaatg      180
tgggtttggg ttctcccctt tcgetcgccg ctactcaggg a                          221

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<210> 7  
 <211> 220  
 <212> DNA  
 <213> Unknown

<220>

<223> Partial 23S rRNA gene sequence from Chlamydophila isolated from dog with CIRD

<400> 7

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tgagagtggg ctcgccagat tcagtcacaaa tctcacgtgt tccgacctac tcaggatact 60
attagtatta ttgagatbtt taattacagg agtatcacct tctatgctct agtttccaac 120
taattcattt attctcttta attacacatt atagtcctac aacccccmaa tgcaagcatt 180
gggtttgtcc taatcccagt tgcgtcgcgc ctacacaggg 220

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<210> B

<211> 220

<212> DNA

<213> Unknown

<220>

<223> Partial 23S rRNA gene sequence from Chlamydophila isolated from dog with CIRD

<220> N

<222> 174

<223> N can be A, C, G or T

<400> 8

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tgagagtggg ctcgccagat tcagactagg ttccacgtgt ctagccctac tcaggatatcg 60
aatagagtct ctgtttttt tgtctacggg actatcaccc tgtatcggtc tactttccag 120
aagratcga ctaaaactta agatcccatg ttatcgaccc tacaacccca catnaaaaat 180
gtggtttggg cttttccct ttcgctcgc gctacacagg 220

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<210> 9

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 9

gatgccttgg cattgatagg cgatgaag

28

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> PCR primer

<400> 10

tggtcatca tgcaaaaggc a

21